

FOREWORD

1. This handbook contains the design and inspection requirements which must normally be fulfilled by a Type aeroplane in order to qualify for a certificate of airworthiness. The handbook is intended to be read in conjunction with the Air Navigation (Consolidation) Order, 1923, and the Air Navigation Directions, 1936 (A.N.D.13) (or any Orders, Regulations or Directions replacing the same) as in force for the time being. These are purchasable from His Majesty's Stationery Office, York House, Kingsway, London, W.C.2, or through any bookseller.

2. The requirements given in this handbook constitute the normal minimum requirements. The requirements given in the Design Section are not to be interpreted as a set of rules compliance with which will in itself ensure a safe aeroplane. No set of generalized rules to serve such a purpose could be formulated in the present state of knowledge. The handbook only contains those requirements which experience shows cannot be ignored without undue risk.

3. Generalized airworthiness requirements cannot always be quite up to date, nor can they embrace every type of aircraft. Before a certificate of airworthiness is issued for a Type aircraft, therefore, it will be verified that the aircraft complies not only with the relevant requirements published in this handbook but also fulfils such other conditions as seem, at the time, necessary to ensure a satisfactory standard of safety. Certain of the published requirements may also be relaxed or waived when applied to any unusual type of aircraft if it is clear that the considerations which gave rise to such requirements are inapplicable to that particular type of aircraft.

4. It is emphasised that this handbook specifies minimum requirements only. Designers would often be well advised to provide a margin of safety over and above the minimum required, both to allow for subsequent increases in weight and also for exacting operational conditions, including poor maintenance, which are not and cannot be allowed for in generalized requirements.

5. This handbook is based upon the internationally agreed minimum requirements given in "Regulations concerning the Minimum Requirements for Airworthiness Certificates", obtainable on repayment from the Secretariat of the International Commission for Air Navigation, 60bis, Avenue d'Iéna, Paris.

6. Arrangement of handbook.—The book consists of two volumes, Vol. I, Design, and Vol. II, Inspection. Each volume is divided into separate leaflets. The Design Leaflets are grouped as follows :—

- A Leaflets, General Information and Procedure.
- B Leaflets, Structural and Airscrew Requirements.
- C Leaflets, Engines.
- D Leaflets, Engine Installation Requirements.
- E Leaflets, Accessories.
- F Leaflets, Flight Requirements.
- G Leaflets, Fire Prevention and Miscellaneous.
- Z Leaflets, Recommended Practice.

The Inspection Leaflets are numbered consecutively with no subdivision into groups.

7. Reference to any particular portion of the handbook should be made by quoting the Volume (*i.e.*, I or II), Leaflet, paragraph, and line number.